

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

LITTLE BLACK, SITE A
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

23-1

DATA SHEET NO.

DAM	1. OWNER Private			2. STREAM Little Black R.			3. STATE Michigan									
	4. SEC. 22 TWP. 38N RANGE 2W			5. NEAREST TOWN Cheboygan			6. COUNTY Cheboygan									
	7. STREAM BED ELEVATION			8. TOP OF DAM ELEVATION 647			9. SPILLWAY CREST ELEV. 616									
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA ACRES		13. ORIGINAL CAPACITY ACRE-FEET		14. GROSS STORAGE ACRE-FEET		15. DATE STORAGE BEGAN					
	a. MULTIPLE USE															
	b. FLOOD CONTROL		641 *		26		275		275		10-1-60					
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION															
	f. CONSERVATION															
	g. SEDIMENT										10-1-60					
h. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR 0.6 MILES				AV. WIDTH OF RESERVOIR 0.1 MILES											
	18. TOTAL DRAINAGE AREA 9.7 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 30.0 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 9.7 SQ. MI.				23. MEAN ANNUAL RUNOFF 15 INCHES											
	20. LENGTH 5.0 MILES		AV. WIDTH 2.5 MILES		24. MEAN ANNUAL RUNOFF 7,760 AC.-FT.											
	21. MAX. ELEV. 920		MIN. ELEV. 614		25. CLIMATIC CLASSIFICATION Mod. Continental											
SURVEY DATA	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS		29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOUR INT.		31. SURFACE AREA ACRES		32. CAPACITY ACRE-FEET		33. C/W RATIO AC.-FT. PER SQ. MI.	
	Sept. 21-22 1976		16		16		Detailed		6		26		275		0.035	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE-FEET				36. WATER INFL. TO DATE AC.-FT.							
					a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE			
	Sept. 21-22 1976															
	26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE-FEET				38. TOTAL SED. DEPOSITS TO DATE ACRE-FEET.									
			a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
	Sept. 21-22 1976		0.138		0.009		0.0009		0.138		0.009		0.0009			
	26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PER SQ. MI.-YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM							
					a. PERIOD		b. TOTAL TO DATE		a. AV. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	
Sept. 21-22 1976		125 pounds		2.45		2.45		0.003		0.05						

* Crest of emergency spillway.

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION												
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

Site A has a flow-through outlet structure with no permanent storage.
Watershed - nearly level former lakeplain.
Soil - reddish clay till (Valders substage).
Cover - entirely woodland and pasture.

48. AGENCY MAKING SURVEY
49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE SEPTEMBER 23
1976